



★ 18" minimum for all storm and sanitary sewers, 12" minimum for all other utilities

1. All water main installation, as well as the scheduling of any water shut downs, shall be as per Item 801 of the current CCMS. Time and duration of all shut downs shall be determined by Division of Water. The Contractor shall notify all water customers effected by the proposed work at least 24 hours in advance of the scheduled shut down.
2. Existing Water Mains 20" and greater must have prior approval of DOW to lower under a proposed utility. Approval will only be given under special circumstances and contingent upon the Contractor submitting a designed drawing, stamped by a Professional Engineer, detailing how the lowered main will be restrained to the existing water main.
3. All bends shall be secured by restraining glands, rodding or other methods as approved by the Engineer to restore the water main to service as soon as possible. For water mains 16" and under, concrete backing shall then be provided in accordance with Standard Detail L-6310 for over bends and L-6311 for sag bends. For water mains 20" and larger, refer to the design plans for any specific information regarding restraint methods and concrete backing.
4. All water main lowerings shall be less than or equal to 20 feet in length (cut to cut). If more than 20 feet is required, a water main relocation shall occur and will require pressure testing and chlorination.
5. All water mains shall be disinfected by swabbing with unscented household bleach in accordance with the applicable sections of A.W.W.A. C-651.
6. 16" mains and smaller - for a depth of cover less than ten (10) feet, provide a flat bottom trench unless PVC. For PVC, provide 6-inches of CCS No. 57 for bedding. PVC to only be used on existing PVC mains.
16" mains and smaller - for a depth of cover greater than ten (10) feet, provide 6-inches of CCS No. 57 for bedding.
20" mains and larger - provide 6-inches of CCS No. 57 for bedding for all situations.
7. If an existing water tap is within the limits of the water main lowering, Contractor shall expose the customer's water service line at the curb stop to determine the existing material prior to cutting the existing pipe. If the customer's water service line is found to be lead, DO NOT proceed with the lowering, and contact the Division of Water Distribution Engineering Group immediately at 614-645-7677. If after hours, DO NOT perform the lowering and contact the Division of Distribution Engineering Group immediately the following business day.

L-7401.Dwg Revision Date: 5/12/22

<p>CITY OF COLUMBUS DEPARTMENT OF PUBLIC UTILITIES DIVISION OF WATER</p>	<p>STANDARD DETAIL TYPICAL WATER MAIN LOWERING</p>	
<p>APPROVED:  ADMINISTRATOR</p>	<p>9/21/22 DATE</p>	